

Method 21--Determination of Volatile Organic Compounds Leaks

1. Applicability and Principle

- 1.1 Applicability. This method applies to the determination of volatile organic compound (VOC) leaks from process equipment. These sources include, but are not limited to, valves, flanges and other connections, pumps and compressors, pressure relief devices, process drains, open-ended valves, pump and compressor seal system degassing vents, accumulator vessel vents, agitator seals, and access door seals.
- 1.2 Principle. A portable instrument is used to detect VOC leaks from individual sources. The instrument detector type is not specified, but it must meet the specifications and performance criteria contained in Section 3. A leak definition concentration based on a reference compound is specified in each applicable regulation. This procedure is intended to locate and classify leaks only, and is not to be used as a direct measure of mass emission rates from individual sources.

2. Definitions

- 2.1 Leak Definition Concentration. The local VOC concentration at the surface of a leak source that indicates that a VOC emission (leak) is present. The leak definition is an instrument meter reading based on a reference compound.
- 2.2 Reference Compound. The VOC species selected as an instrument calibration basis for specification of the leak definition concentration. (For example: If a leak definition concentration is 10,000 ppmv as methane, then any source emission that results in a local concentration that yields a meter reading of 10,000 on an instrument calibrated with methane would be classified as a leak. In this example, the leak definition is 10,000 ppmv, and the reference compound is methane.)
- 2.3 Calibration Gas. The VOC compound used to adjust the instrument meter reading to a known value. The calibration gas is usually the reference compound at a concentration approximately equal to the leak definition concentration.
- 2.4 No Detectable Emission. Any VOC concentration at a potential leak source (adjusted for local VOC ambient concentration) that is less than a value corresponding to the instrument readability specification of section 3.1.1© indicates that a leak is not present.
- 2.5 Response Factor. The ratio of the known concentration of a VOC compound to the observed meter reading when measured using an instrument calibrated with the reference compound specified in the application regulation.
- 2.6 Calibration Precision. The degree of agreement between measurements of the same known value, expressed as the relative percentage of the average difference between the meter readings and the known concentration to the known concentration.

2.7 Response Time. The time interval from a step change in VOC concentration at the input of the sampling system to the time at which 90 percent of the corresponding final value is reached as displayed on the instrument readout meter.

3. Apparatus

3.1 Monitoring Instrument.

3.1.1 Specifications.

- a. The VOC instrument detector shall respond to the compounds being processed. Detector types which may meet this requirement include, but are not limited to, catalytic oxidation, flame ionization, infrared absorption, and photoionization.
- b. Both the linear response range and the measurable range of the instrument for each of the VOC to be measured, and for the VOC calibration gas that is used for calibration, shall encompass the leak definition concentration specified in the regulation. A dilution probe assembly may be used to bring the VOC concentration within both ranges; however, the specifications for instrument response time and sample probe diameter shall still be met.
- c. The scale of the instrument meter shall be readable to ± 2.5 percent of the specified leak definition concentration when performing a no detectable emission survey.
- d. The instrument shall be equipped with an electrically driven pump to insure that a sample is provided to the detector at a constant flow rate. The nominal sample flow rate, as measured at the sample probe tip, shall be 0.10 to 3.0 liters per minute when the probe is fitted with a glass wool plug or filter that may be used to prevent plugging of the instrument.
- e. The instrument shall be intrinsically safe as defined by the applicable U.S.A. standards (e.g., National Electric Code by the National Fire Prevention Association) for operation in any explosive atmospheres that may be encountered in its use. The instrument shall, at a minimum, be intrinsically safe for Class 1, Division 1 conditions, and Class 2, Division 1 conditions, as defined by the example Code. The instrument shall not be operated with any safety device, such as an exhaust flame arrestor; removed.
- f. The instrument shall be equipped with a probe or probe extension for sampling not to exceed $\frac{1}{4}$ in. in outside diameter, with a single end opening for admission of sample.

3.1.2 Performance Criteria.

- (a) The instrument response factors for each of the VOC to be measured shall be less than 10. When no instrument is available that meets this specification when calibrated with the reference VOC specified in the applicable regulation, the available instrument may be calibrated with one of the VOC to be measured, or any other VOC, so long as the instrument then has a response factor of less than 10 for each of the VOC to be measured.
- (b) The instrument response time shall be equal to or less than 30 seconds. The instrument pump, dilution probe (if any), sample probe, and probe filter, that will be used during testing, shall all be in place during the response time determination.
- c. The calibration precision must be equal to or less than 10 percent of the calibration gas value.
- d. The evaluation procedure for each parameter is given in Section 4.4.

3.1.3 Performance Evaluation Requirements.

- a. A response factor must be determined for each compound that is to be measured, either by testing or from reference sources. The response factor tests are required before placing the analyzer into service, but do not have to be repeated at subsequent intervals.
- b. The calibration precision test must be completed prior to placing the analyzer into service, and at subsequent 3-month intervals or at the next use whichever is later.
- c. The response time test is required prior to placing the instrument into service. If a modification to the sample pumping system or flow configuration is made that would change the response time, a new test is required prior to further use.

3.2 Calibration Gases. The monitoring instrument is calibrated in terms of parts per million by volume (ppmv) of the reference compound specified in the applicable regulation. The calibration gases required for monitoring and instrument performance evaluation are a zero gas (air, less than 10 ppmv VOC) and a calibration gas in air mixture approximately equal to the leak definition specified in the regulation. If cylinder calibration gas mixtures are used, they must be analyzed and certified by the manufacturer to be within ± 2 percent accuracy, and a shelf life must be specified. Cylinder standards must be either reanalyzed or replaced at the end of the specified shelf life. Alternately, calibration gases may be prepared by the user according to any accepted gaseous standards preparation procedure that will yield a mixture accurate to

within ± 2 percent. Prepared standards must be replaced each day of use unless it can be demonstrated that degradation does not occur during storage.

Calibrations may be performed using a compound other than the reference compound if a conversion factor is determined for that alternative compound so that the resulting meter readings during source surveys can be converted to reference compound results.

4. Procedures

- 4.1 Pretest Preparations. Perform the instrument evaluation procedures given in Section 4.4 if the evaluation requirements of Section 3.1.3 have not been met.
- 4.2 Calibration Procedures. Assemble and start up the VOC analyzer according to the manufacturer's instructions. After the appropriate warmup period and zero internal calibration procedure, introduce the calibration gas into the instrument sample probe. Adjust the instrument meter readout to correspond to the calibration gas value.

Note: If the meter readout cannot be adjusted to the proper value, a malfunction of the analyzer is indicated and corrective actions are necessary before use.

4.3 Individual Source Surveys.

- 4.3.1 Type I—Leak Definition Based on Concentration. Place the probe inlet at the surface of the component interface where leakage could occur. Move the probe along the interface periphery while observing the instrument readout. If an increased meter reading is observed, slowly sample the interface where leakage is indicated until the maximum meter reading is obtained. Leave the probe inlet at this maximum reading location for approximately two times the instrument response time. If the maximum observed meter reading is greater than the leak definition in the applicable regulation, record and report the results as specified in the regulation reporting requirements. Examples of the application of this general technique to specific equipment types are:

- a. Valves—The most common source of leaks from valves is at the seal between the stem and housing. Place the probe at the interface where the stem exits the packing gland and sample the stem circumference. Also, place the probe at the interface of the packing gland take-up flange seat and sample the periphery. In addition, survey valve housings of multipart assembly at the surface of all interfaces where a leak could occur.
- b. Flanges and Other Connections—For welded flanges, place the probe at the outer edge of the flange-gasket interface and sample the circumference

- of the flange. Sample other types of nonpermanent joints (such as threaded connections) with a similar traverse.
- c. Pumps and Compressors—Conduct a circumferential traverse at the outer surface of the pump or compressor shaft and seal interface. If the source is a rotating shaft, position the probe inlet within 1 cm of the shaft-seal interface for the survey. If the housing configuration prevents a complete traverse of the shaft periphery, sample all accessible portions. Sample all other joints on the pump or compressor housing where leakage could occur.
 - d. Pressure Relief Devices—The configuration of most pressure relief devices prevents sampling at the sealing seat interface. For those devices equipped with an enclosed extension, or horn, place the probe inlet at approximately the center of the exhaust area to the atmosphere.
 - e. Process Drains—For open drains, place the probe inlet at approximately the center of the area open to the atmosphere. For covered drains, place the probe at the surface of the cover interface and conduct a peripheral traverse.
 - f. Open-Ended Lines or Valves—Place the probe inlet at approximately the center of the opening to the atmosphere.
 - g. Seal System Degassing Vents and Accumulator Vents—Place the probe inlet at approximately the center of the opening to the atmosphere.
 - h. Access Door Seals—Place the probe inlet at the surface of the door seal interface and conduct a peripheral traverse.

4.3.2 Type II—"No Detectable Emission".

Determine the local ambient concentration around the source by moving the probe inlet randomly upwind and downwind at a distance of one to two meters from the source. If an interference exists with this determination due to a nearby emission or leak, the local ambient concentration may be determined at distances closer to the source, but in no case shall the distance be less than 25 centimeters. Then move the probe inlet to the surface of the source and determine the concentration described in 4.3.1. The difference between these concentrations determines whether there are no detectable emissions. Record and report the results as specified by the regulation.

For those cases where the regulation requires a specific device installation, or that specified vents be ducted or piped to a control device, the existence of these conditions shall be visually confirmed. When the regulation also requires that no detectable emissions exist, visual observations and sampling surveys are required. Examples of this technique are:

- (a) Pump or Compressor Seals—If applicable, determine the type of shaft seal. Perform a survey of the local area ambient VOC concentration and determine if detectable emissions exist as described above.

(b) Seal System Degassing Vents, Accumulator Vessel Vents, Pressure Relief Devices—If applicable, observe whether or not the applicable ducting or piping exists. Also, determine if any sources exist in the ducting or piping where emissions could occur prior to the control device. If the required ducting or piping exists and there are no sources where the emissions could be vented to the atmosphere prior to the control device, then it is presumed that no detectable emissions are present. If there are sources in the ducting or piping where emissions could be vented or sources where leaks could occur, the sampling surveys described in this paragraph shall be used to determine if detectable emissions exist.

4.3.3 Alternative Screening Procedure. A screening procedure based on the formation of bubbles in a soap solution that is sprayed on a potential leak source may be used for those sources that do not have continuously moving parts, that do not have surface temperatures greater than the boiling point or less than the freezing point of the soap solution, that do not have open areas to the atmosphere that the soap solution cannot bridge, or that do not exhibit evidence of liquid leakage. Sources that have these conditions present must be surveyed using the instrument techniques of 4.3.1 or 4.3.2.

Spray a soap solution over all potential leak sources. The soap solution may be a commercially available leak detection solution or may be prepared using concentrated detergent and water. A pressure sprayer or a squeeze bottle may be used to dispense the solution. Observe the potential leak sites to determine if any bubbles are formed. If no bubbles are observed, the source is presumed to have no detectable emissions or leaks as applicable. If any bubbles are observed, the instrument techniques of 4.3.1 or 4.3.2 shall be used to determine if a leak exists, or if the source has detectable emissions, as applicable.

4.4 Instrument Evaluation Procedures. At the beginning of the instrument performance evaluation test, assemble and start up the instrument according to the manufacturer's instructions for recommended warmup period and preliminary adjustments.

4.4.1 Response Factor. Calibrate the instrument with the reference compound as specified in the applicable regulation. For each organic species that is to be measured during individual source surveys, obtain or prepare a known standard in air at a concentration of approximately 80 percent of the applicable leak definition unless limited by volatility or explosivity. In these cases, prepare a standard at 90 percent of the saturation concentration, or 70 percent of the lower explosive limit, respectively. Introduce this mixture to the analyzer and record the observed meter reading. Introduce zero air until a stable reading is obtained. Make a total of three measurements by alternating between the

known mixture and zero air. Calculate the response factor for each repetition and the average response factor.

Alternatively, if response factors have been published for the compounds of interest for the instrument or detector type, the response factor determination is not required, and existing results may be referenced. Examples of published response factors for flame ionization and catalytic oxidation detectors are included in Bibliography.

- 4.4.2 Calibration Precision. Make a total of three measurements by alternately using zero gas and the specified calibration gas. Record the meter readings. Calculate the average algebraic difference between the meter readings and the known value. Divide this average difference by the known calibration value and multiply by 100 to express the resulting calibration precision as a percentage.
- 4.4.3 Response Time. Introduce zero gas into the instrument sample probe. When the meter reading has stabilized, switch quickly to the specified calibration gas. Measure the time from switching to when 90 percent of the final stable reading is attained. Perform this test sequence three times and record the results. Calculate the average response time.

5. Bibliography

1. DuBose, D.A., and G.E. Harris. Response Factors of VOC Analyzers at a Meter Reading of 10,000 ppmv for Selected Organic Compounds. U.S. Environmental Protection Agency, Research Triangle Park, NC. Publication No. EPA 600/2-81-051. September 1981.
2. Brown, G.E., et al. Response Factors of VOC Analyzers Calibrated with Methane for Selected Organic Compounds. U.S. Environmental Protection Agency, Research Triangle Park, NC. Publication No. EPA 600/2-81-022. May 1981.
3. DuBose, D.A., et al. Response of Portable VOC Analyzers to Chemical Mixtures. U.S. Environmental Protection Agency, Research Triangle Park, NC. Publication No. EPA 600/2-81-110. September 1981.

8.21 HAZARDOUS WASTE STORAGE TANKS - TABLE B-2

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Tag	Unit	Eq Size	Component	LOCATION	Iso	Class
PBZ05000	C-AREA RESIDUE		PUMP	BOTTOMS PUMP E.OF C	DWG00008	HL
PBZ05004	C-AREA RESIDUE	1"	FLANGED FITTINGS	BOTTOMS PUMP E.OF C	DWG00008	HL
PBZ05005	C-AREA RESIDUE	1"	PLUG VALVE	BOTTOMS PUMP E.OF C	DWG00008	HL
PBZ05006	C-AREA RESIDUE	1"	FLANGED FITTINGS	BOTTOMS PUMP E.OF C	DWG00008	HL
PBZ05010	C-AREA RESIDUE	3"	FLANGED FITTINGS	BOTTOMS PUMP E.OF C	DWG00008	HL
PBZ05015	C-AREA RESIDUE	1"	PLUG VALVE	BOTTOMS PUMP E.OF C	DWG00008	HL
PBZ05020	C-AREA RESIDUE	1 1/2"	PLUG VALVE	BOTTOMS PUMP E.OF C	DWG00008	HL
PBZ05025	C-AREA RESIDUE	1"	PLUG VALVE	BOTTOMS PUMP E.OF C	DWG00008	HL
PBZ05030	C-AREA RESIDUE	1"	PLUG VALVE	BOTTOMS PUMP E.OF C	DWG00008	HL
PBZ05035	C-AREA RESIDUE	3"	PLUG VALVE	BOTTOMS PUMP E.OF C	DWG00008	HL
PBZ05040	C-AREA RESIDUE	3"	FLANGED FITTINGS	BOTTOM OF BOTTOMS T	DWG00008	HL
PBZ05045	C-AREA RESIDUE	3"	FLANGED FITTINGS	BOTTOM OF BOTTOMS T	DWG00008	HL
PBZ05050	C-AREA RESIDUE	3"	FLANGED FITTINGS	BOTTOM OF BOTTOMS T	DWG00008	HL
PBZ05055	C-AREA RESIDUE	3"	FLANGED FITTINGS	BOTTOM OF BOTTOMS T	DWG00008	HL
PBZ05060	C-AREA RESIDUE	3"	PLUG VALVE	BOTTOM OF BOTTOMS T	DWG00008	HL
PBZ05065	C-AREA RESIDUE	1 1/2"	FLANGED FITTINGS	BOTTOMS PUMP E.OF C	DWG00008	HL
PBZ05068	C-AREA RESIDUE	3"	FLANGED FITTINGS	BOTTOM OF BOTTOMS T	DWG00008	HL
PBZ05070	C-AREA RESIDUE	1 1/2"	FLANGED FITTINGS	OUTSIDE E. OF C-12	DWG00008	HL
PBZ05075	C-AREA RESIDUE	1 1/2"	PLUG VALVE	OUTSIDE E. OF C-12	DWG00008	HL
PBZ05080	C-AREA RESIDUE	1 1/2"	FLANGED FITTINGS	OUTSIDE E. OF C-12	DWG00008	HL
PBZ05085	C-AREA RESIDUE	1 1/2"	FLANGED FITTINGS	OUTSIDE E. OF C-12	DWG00008	HL
PBZ05087	C-AREA RESIDUE	1 1/2"	FLANGED FITTINGS	OUTSIDE E. OF C-12	DWG00008	HL
PBZ05090	C-AREA RESIDUE	1 1/2"	FLANGED FITTINGS	OUTSIDE E. OF C-12	DWG00008	HL
PBZ05095	C-AREA RESIDUE	1 1/2"	PLUG VALVE	OUTSIDE E. OF C-12	DWG00008	HL
PBZ05098	C-AREA RESIDUE	1 1/2"	FLANGED FITTINGS	OUTSIDE E. OF C-12	DWG00008	HL
PBZ05100	C-AREA RESIDUE	1 1/2"	PLUG VALVE	OUTSIDE E. OF C-12	DWG00008	HL
PBZ05105	C-AREA RESIDUE	1 1/2"	PLUG VALVE	OUTSIDE E. OF C-12	DWG00008	HL
PBZ05110	C-AREA RESIDUE	1 1/2"	PLUG VALVE	OUTSIDE E. OF C-12	DWG00008	HL
PBZ05115	C-AREA RESIDUE	1 1/2"	PLUG VALVE	OUTSIDE E. OF C-12	DWG00008	HL
PBZ05120	C-AREA RESIDUE	1 1/2"	FLANGED FITTINGS	OUTSIDE E. OF C-12	DWG00008	HL
PBZ05125	C-AREA RESIDUE	1 1/2"	PLUG VALVE	OUTSIDE E. OF C-12	DWG00008	HL
PBZ05130	C-AREA RESIDUE	1 1/2"	FLANGED FITTINGS	OUTSIDE E. OF C-12	DWG00008	HL
PBZ05135	C-AREA RESIDUE	1 1/2"	FLANGED FITTINGS	OUTSIDE E. OF C-12	DWG00008	HL
PBZ05140	C-AREA RESIDUE	1 1/2"	FLANGED FITTINGS	OUTSIDE E. OF C-12	DWG00008	HL
PBZ05145	C-AREA RESIDUE	1 1/2"	FLANGED FITTINGS	OUTSIDE E. OF C-12	DWG00008	HL
PBZ05150	C-AREA RESIDUE	1 1/2"	PLUG VALVE	2ND FLOOR OF C-12	DWG00008	HL
PBZ05155	C-AREA RESIDUE	1 1/2"	PLUG VALVE	2ND FLOOR OF C-12	DWG00008	HL
PBZ05160	C-AREA RESIDUE	1 1/2"	FLANGED FITTINGS	TRAILER LOADING	DWG00008	HL
PBZ05165	C-AREA RESIDUE	1 1/2"	FLANGED FITTINGS	TRAILER LOADING	DWG00008	HL
PBZ05170	C-AREA RESIDUE	1 1/2"	FLANGED FITTINGS	TRAILER LOADING	DWG00008	HL
PBZ05175	C-AREA RESIDUE	1 1/2"	FLANGED FITTINGS	TRAILER LOADING	DWG00008	HL
PBZ05180	C-AREA RESIDUE	1 1/2"	FLANGED FITTINGS	TRAILER LOADING	DWG00008	HL
PBZ05185	C-AREA RESIDUE	1 1/2"	FLANGED FITTINGS	TRAILER LOADING	DWG00008	HL
PBZ05190	C-AREA RESIDUE	1 1/2"	PLUG VALVE	TRAILER LOADING PAD	DWG00008	HL
PCS00005	DECH+ RESIDUE	1 1/2"	FLANGED FITTINGS	VENT LINE 4TH FL.	DWG00006	LL
PCS00010	DECH+ RESIDUE	1 1/2"	FLANGED FITTINGS	VENT LINE 3RD FL.	DWG00006	LL
PCS00015	DECH+ RESIDUE	1 1/2"	FLANGED FITTINGS	VENT LINE 2ND FL.	DWG00004	LL
PCS00020	DECH+ RESIDUE	1 1/2"	FLANGED FITTINGS	ABOVE STORAGE TANK	DWG00004	LL
PCS00025	DECH+ RESIDUE	1 1/2"	FLANGED FITTINGS	ABOVE STORAGE TANK	DWG00004	LL

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Tag	Unit	Eq Size	Component	LOCATION	Iso	Class
PCS00030	DECH+ RESIDUE	1 1/2"	FLANGED FITTINGS	ABOVE STORAGE TANK	DWG00004	LL
PCS00035	DECH+ RESIDUE	1 1/2"	FLANGED FITTINGS	ABOVE STORAGE TANK	DWG00004	LL
PCS00040	DECH+ RESIDUE	1 1/2"	FLANGED FITTINGS	TOP OF DECH+ STOR TK	DWG00004	LL
PCS00045	DECH+ RESIDUE	4"	FLANGED FITTINGS	TOP OF DECH+ STOR TK	DWG00004	LL
PCS00050	DECH+ RESIDUE	3"	FLANGED FITTINGS	PERC FEED LINE	DWG00005	LL
PCS00055	DECH+ RESIDUE	3"	FLANGED FITTINGS	PERC FEED LINE	DWG00005	LL
PCS00060	DECH+ RESIDUE	2"	PLUG VALVE	TRAILER LOADING	DWG00007	LL
PCS00065	DECH+ RESIDUE	2"	PLUG VALVE	TRAILER LOADING	DWG00007	LL
PCS00085	DECH+ RESIDUE	2"	FLANGED FITTINGS	TOP OF DECH+ STOR TK	DWG00004	G/V
PCS00095	DECH+ RESIDUE	3"	FLANGED FITTINGS	TOP OF DECH+ STOR TK	DWG00004	LL
PCS00100	DECH+ RESIDUE	3"	FLANGED FITTINGS	TOP OF DECH+ STOR TK	DWG00004	LL
PCS00105	DECH+ RESIDUE	3"	FLANGED FITTINGS	TOP OF DECH+ STOR TK	DWG00004	LL
PCS00110	DECH+ RESIDUE	2"	FLANGED FITTINGS	TOP OF DECH+ STOR TK	DWG00004	LL
PCS00115	DECH+ RESIDUE	2"	FLANGED FITTINGS	TOP OF DECH+ STOR TK	DWG00004	LL
PCS00120	DECH+ RESIDUE	2"	FLANGED FITTINGS	ABOVE STORAGE TANK	DWG00004	LL
PCS00125	DECH+ RESIDUE	1 1/2"	FLANGED FITTINGS	TOP OF DECH+ STOR TA	DWG00004	LL
PCS00130	DECH+ RESIDUE	1 1/2"	FLANGED FITTINGS	TOP OF DECH+ STOR TK	DWG00004	LL
PCS00135	DECH+ RESIDUE	1 1/2"	FLANGED FITTINGS	TOP OF DECH+ STOR TK	DWG00004	LL
PCS00140	DECH+ RESIDUE	4"	FLANGED FITTINGS	TOP OF DECH+ STOR TK	DWG00004	G/V
PCS00145	DECH+ RESIDUE	4"	FLANGED FITTINGS	TOP OF DECH+ STOR TK	DWG00004	G/V
PCS00150	DECH+ RESIDUE	4"	FLANGED FITTINGS	ABOVE STORAGE TANK	DWG00004	G/V
PCS00155	DECH+ RESIDUE	2"	FLANGED FITTINGS	TOP OF DECH+ STOR TK	DWG00004	LL
PCS00160	DECH+ RESIDUE	3"	FLANGED FITTINGS	PERC FEED LINE	DWG00005	LL
PCS00165	DECH+ RESIDUE	3"	FLANGED FITTINGS	PERC FEED LINE	DWG00005	LL
PCS00170	DECH+ RESIDUE	3"	FLANGED FITTINGS	PERC FEED LINE	DWG00005	LL
PCS00175	DECH+ RESIDUE	3"	FLANGED FITTINGS	PERC FEED LINE	DWG00005	LL
PCS00184	DECH+ RESIDUE	1"	FLANGED FITTINGS	DECH+ RESIDUE PUMP	DWG00003	LL
PCS00185	DECH+ RESIDUE	3/4" X 1 1/2"	SAMPLE VALVE	DECH+ RESIDUE PUMP	DWG00003	LL
PCS00186	DECH+ RESIDUE	1"	FLANGED FITTINGS	DECH+ RESIDUE PUMP	DWG00003	LL
PCS00188	DECH+ RESIDUE	2"	FLANGED FITTINGS	DECH+ RESIDUE PUMP	DWG00003	LL
PCS00190	DECH+ RESIDUE	2"	PLUG VALVE	DECH+ RESIDUE PUMP	DWG00003	LL
PCS00192	DECH+ RESIDUE	2"	FLANGED FITTINGS	DECH+ RESIDUE PUMP	DWG00003	LL
PCS00194	DECH+ RESIDUE	2"	FLANGED FITTINGS	DECH+ RESIDUE PUMP	DWG00003	LL
PCS00195	DECH+ RESIDUE	2"	PLUG VALVE	DECH+ RESIDUE PUMP	DWG00003	LL
PCS00196	DECH+ RESIDUE	2"	FLANGED FITTINGS	DECH+ RESIDUE PUMP	DWG00003	LL
PCS00200	DECH+ RESIDUE	2"	PLUG VALVE	DECH+ RESIDUE PUMP	DWG00003	LL
PCS00205	DECH+ RESIDUE	8"	FLANGED FITTINGS	TOP OF DECH+ STOR TK	DWG00004	LL
PCS00210	DECH+ RESIDUE	8"	FLANGED FITTINGS	TOP OF DECH+ STOR TK	DWG00004	LL
PCS00215	DECH+ RESIDUE	4"	FLANGED FITTINGS	TOP OF DECH+ STOR TK	DWG00004	LL
PCS00220	DECH+ RESIDUE	4"	FLANGED FITTINGS	TOP OF DECH+ STOR TK	DWG00004	LL
PCS00225	DECH+ RESIDUE	4"	FLANGED FITTINGS	TOP OF DECH+ STOR TK	DWG00004	LL
PCS00240	DECH+ RESIDUE	3"	PLUG VALVE	TOP OF DECH+ STOR TK	DWG00004	LL
PCS00242	DECH+ RESIDUE	3"	VALVE	TOP OF DECH+ STOR TK	DWG00004	LL
PCS00244	DECH+ RESIDUE	3"	VALVE	BOT OF NEW PERC STIL	DWG00004	LL
PCS00245	DECH+ RESIDUE	3"	PLUG VALVE	TOP OF DECH+ STOR TK	DWG00004	G/V
PCS00246	DECH+ RESIDUE	1 1/2"	FLANGED FITTINGS	BOT OF NEW PERC STIL	DWG00004	LL
PCS00248	DECH+ RESIDUE	1 1/2"	FLANGED FITTINGS	BOT OF NEW PERC STIL	DWG00004	LL
PCS00250	DECH+ RESIDUE	2"	PLUG VALVE	TOP OF DECH+ STOR TK	DWG00004	LL
PCS00252	DECH+ RESIDUE	1 1/2"	FLANGED FITTINGS	BOT OF NEW PERC STIL	DWG00004	LL

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Tag	Unit	Eq Size	Component	LOCATION	Iso	Class
PCS00254	DECH+ RESIDUE	1 1/2"	PLUG VALVE	BOT OF NEW PERC STIL	DWG00004	LL
PCS00255	DECH+ RESIDUE	1 1/2"	PLUG VALVE	TOP OF DECH+ STOR TK	DWG00004	G/V
PCS00260	DECH+ RESIDUE	3"	FLANGED FITTINGS	PERC FEED LINE	DWG00005	LL
PCS00265	DECH+ RESIDUE	3"	FLANGED FITTINGS	PERC FEED LINE	DWG00005	LL
PCS00270	DECH+ RESIDUE	3"	FLANGED FITTINGS	TOP OF DECH+ STOR TK	DWG00004	G/V
PCS00275	DECH+ RESIDUE	3"	FLANGED FITTINGS	TOP OF DECH+ STOR TK	DWG00004	G/V
PCS00280	DECH+ RESIDUE	3"	FLANGED FITTINGS	TOP OF DECH+ STOR TK	DWG00004	G/V
PCS00315	DECH+ RESIDUE	3"	CONTROL VALVE	BOT OF DECH+ STOR TK	DWG00003	LL
PCS00320	DECH+ RESIDUE	3"	FLANGED FITTINGS	BOT OF DECH+ STOR TK	DWG00003	LL
PCS00325	DECH+ RESIDUE	3"	FLANGED FITTINGS	BOT OF DECH+ STOR TK	DWG00003	LL
PCS00330	DECH+ RESIDUE	3"	FLANGED FITTINGS	BOT OF DECH+ STOR TK	DWG00003	LL
PCS00335	DECH+ RESIDUE	1"	PLUG VALVE	DECH+ RESIDUE PUMP	DWG00003	LL
PCS00358	DECH+ RESIDUE	1"	FLANGED FITTINGS	DECH+ RESIDUE PUMP	DWG00003	LL
PCS00360	DECH+ RESIDUE	1"	PLUG VALVE	DECH+ RESIDUE PUMP	DWG00003	LL
PCS00362	DECH+ RESIDUE	1"	FLANGED FITTINGS	DECH+ RESIDUE PUMP	DWG00003	LL
PCS00365	DECH+ RESIDUE	3"	PLUG VALVE	DECH+ RESIDUE PUMP	DWG00003	LL
PCS00370	DECH+ RESIDUE	2"	PLUG VALVE	TRAILER LOADING	DWG00007	LL
PCS00375	DECH+ RESIDUE	2"	OPEN END LOADING HOSE	TRAILER LOADING	DWG00007	LL
PCS00380	DECH+ RESIDUE	1"	FLANGED FITTINGS	PERC FEED LINE	DWG00005	LL
PCS00385	DECH+ RESIDUE	1"	FLANGED FITTINGS	PERC FEED LINE	DWG00005	LL
PCS00390	DECH+ RESIDUE	1"	BALL VALVE	PERC FEED LINE	DWG00005	LL
PCS00395	DECH+ RESIDUE	3"	PLUG VALVE	PERC FEED LINE	DWG00005	LL
PCS00400	DECH+ RESIDUE	3"	FLANGED FITTINGS	PERC FEED LINE	DWG00005	LL
PCS00410	DECH+ RESIDUE	1"	CHECK VALVE	PERC FEED LINE	DWG00005	LL
PCS00415	DECH+ RESIDUE	3"	FLANGED FITTINGS	PERC FEED LINE	DWG00005	LL
PCS00420	DECH+ RESIDUE	3"	CONTROL VALVE	BOT PERC FEED TK	DWG00005	LL
PCS00425	DECH+ RESIDUE	3"	FLANGED FITTINGS	PERC FEED LINE	DWG00005	LL
PCS00430	DECH+ RESIDUE	3"	FLANGED FITTINGS	PERC FEED LINE	DWG00005	LL
PCS00440	DECH+ RESIDUE	3"	FLANGED FITTINGS	TOP OF DECH+ STOR TK	DWG00004	G/V
PCS00445	DECH+ RESIDUE	3"	FLANGED FITTINGS	TOP OF DECH+ STOR TK	DWG00004	G/V
PCS00450	DECH+ RESIDUE	3"	FLANGED FITTINGS	TOP OF DECH+ STOR TK	DWG00004	G/V
PCS00455	DECH+ RESIDUE	3"	FLANGED FITTINGS	TOP OF DECH+ STOR TK	DWG00004	G/V
PCS00460	DECH+ RESIDUE	3"	FLANGED FITTINGS	ABOVE STORAGE TANK	DWG00004	G/V
PCS00465	DECH+ RESIDUE	3"	FLANGED FITTINGS	ABOVE STORAGE TANK	DWG00004	G/V
PCS00470	DECH+ RESIDUE	3"	FLANGED FITTINGS	TOP OF DECH+ STOR TK	DWG00004	G/V
PCS00475	DECH+ RESIDUE	3"	FLANGED FITTINGS	TOP OF DECH+ STOR TK	DWG00004	G/V
PCS00480	DECH+ RESIDUE	6"	FLANGED FITTINGS	TOP OF DECH+ STOR TK	DWG00004	LL
PCS00485	DECH+ RESIDUE	3"	PLUG VALVE	PERC FEED LINE	DWG00005	LL
PCS00490	DECH+ RESIDUE	1"	PLUG VALVE	PERC FEED LINE	DWG00005	LL
PCS00495	DECH+ RESIDUE	1 1/2"	FLANGED FITTINGS	TOP OF DECH+ STOR TK	DWG00004	G/V
PCS00500	DECH+ RESIDUE	1 1/2"	FLANGED FITTINGS	VENT LINE 4TH FL.	DWG00006	LL
PCS00510	DECH+ RESIDUE		AGITATOR	TOP OF DECH+ STOR TK	DWG00004	LL
PCS00515	DECH+ RESIDUE		PUMP	DECH+ RESIDUE PUMP	DWG00003	LL
PCS00518	DECH+ RESIDUE	2"	FLANGED FITTINGS	DECH+ RESIDUE PUMP	DWG00003	LL
PCS00520	DECH+ RESIDUE	1"	PLUG VALVE	DECH+ RESIDUE PUMP	DWG00003	LL
PCS00525	DECH+ RESIDUE	1 1/2"	FLANGED FITTINGS	VENT LINE 4TH FL.	DWG00006	G/V
PCS00530	DECH+ RESIDUE	3"	FLANGED FITTINGS	VENT LINE 4TH FL.	DWG00006	G/V
PCS00535	DECH+ RESIDUE	3"	FLANGED FITTINGS	VENT LINE 4TH FL.	DWG00006	G/V
PCS00540	DECH+ RESIDUE	3"	FLANGED FITTINGS	VENT LINE 4TH FL.	DWG00006	G/V

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Tag	Unit	Eq Size	Component	LOCATION	Iso	Class
PCS00545	DECH+ RESIDUE	3"	FLANGED FITTINGS	VENT LINE 4TH FL.	DWG00006	G/V
PCS00550	DECH+ RESIDUE	1 1/2"	PLUG VALVE	VENT LINE 4TH FL.	DWG00006	G/V
PDT00005	N-AREA RESIDUE	2"	PLUG VALVE	BOTTOM OF REBOILER	DWG00012	HL
PDT00010	N-AREA RESIDUE	2"	PLUG VALVE	BOTTOM OF REBOILER	DWG00012	HL
PDT00015	N-AREA RESIDUE	2"	PLUG VALVE	BOTTOM OF REBOILER	DWG00012	HL
PDT00020	N-AREA RESIDUE	2"	PLUG VALVE	BOTTOM OF REBOILER	DWG00012	HL
PDT00025	N-AREA RESIDUE	3"	PLUG VALVE	MCT REBOILER TRANS P	DWG00012	HL
PDT00028	N-AREA RESIDUE	3/4"	BALL VALVE	BOTTOM OF REBOILER	DWG00012	HL
PDT00030	N-AREA RESIDUE	2"	PLUG VALVE	BOTTOM OF REBOILER	DWG00012	HL
PDT00035	N-AREA RESIDUE	1"	PLUG VALVE	MCT REBOILER TRANS P	DWG00012	HL
PDT00040	N-AREA RESIDUE		PUMP	MCT REBOILER TRANS P	DWG00012	HL
PDT00045	N-AREA RESIDUE		SAMPLE VALVE	MCT REBOILER TRANS P	DWG00012	HL
PDT00050	N-AREA RESIDUE	1"	PLUG VALVE	MCT REBOILER TRANS P	DWG00012	HL
PDT00055	N-AREA RESIDUE	3/4"	PLUG VALVE	MCT REBOILER TRANS P	DWG00012	HL
PDT00056	N-AREA RESIDUE	3/4"	PLUG VALVE	MCT REBOILER TRANS P	DWG00012	HL
PDT00058	N-AREA RESIDUE	3/4"	BALL VALVE	MCT REBOILER TRANS P	DWG00012	HL
PDT00060	N-AREA RESIDUE	2"	PLUG VALVE	MCT REBOILER TRANS P	DWG00012	HL
PDT00065	N-AREA RESIDUE	2"	PLUG VALVE	ABOVE REBOILER	DWG00012	HL
PDT00070	N-AREA RESIDUE	2"	CONTROL VALVE	ABOVE REBOILER	DWG00012	HL
PDT00075	N-AREA RESIDUE	1"	PLUG VALVE	NORTH SIDE REBOILER	DWG00012	HL
PDT00080	N-AREA RESIDUE	2"	PLUG VALVE	NORTH SIDE REBOILER	DWG00012	HL
PDT00085	N-AREA RESIDUE	1-1/2"	PLUG VALVE	EAST OF RES TANK	DWG00011	HL
PDT00090	N-AREA RESIDUE	1-1/2"	BALL VALVE	TOP MCT RESIDUE TANK	DWG00011	HL
PDT00095	N-AREA RESIDUE	1-1/2"	BALL VALVE	TOP MCT RESIDUE TANK	DWG00011	HL
PDT00100	N-AREA RESIDUE	1/2"	PLUG VALVE	TOP MCT RESIDUE TANK	DWG00011	HL
PDT00110	N-AREA RESIDUE	2"	PLUG VALVE	TOP MCT RESIDUE TANK	DWG00011	HL
PDT00115	N-AREA RESIDUE	2"	PLUG VALVE	STOR TK RECIRC LINE	DWG00011	HL
PDT00120	N-AREA RESIDUE	2"	PLUG VALVE	ABOVE MCT RES PUMP	DWG00011	HL
PDT00125	N-AREA RESIDUE	2"	PLUG VALVE	RECIRC LINE	DWG00011	HL
PDT00130	N-AREA RESIDUE	2"	PLUG VALVE	ABOVE RES TRANS PUMP	DWG00011	HL
PDT00135	N-AREA RESIDUE	3/4"	PLUG VALVE	ABOVE RES TRANS PUMP	DWG00011	HL
PDT00140	N-AREA RESIDUE	1"	PLUG VALVE	EAST OF RES TANK	DWG00011	HL
PDT00145	N-AREA RESIDUE	1 1/2"	PLUG VALVE	EAST OF RES TANK	DWG00011	HL
PDT00150	N-AREA RESIDUE	2"	PLUG VALVE	TRAILER LOADING	DWG00013	HL
PDT00152	N-AREA RESIDUE	1 1/2"	FLANGED FITTINGS	TRAILER LOADING	DWG00013	HL
PDT00154	N-AREA RESIDUE	2"	FLANGED FITTINGS	TRAILER LOADING	DWG00013	HL
PDT00155	N-AREA RESIDUE	2"	PLUG VALVE	TRAILER LOADING	DWG00013	HL
PDT00156	N-AREA RESIDUE	2"	FLANGED FITTINGS	TRAILER LOADING	DWG00013	HL
PDT00158	N-AREA RESIDUE	2"	FLANGED FITTINGS	TRAILER LOADING	DWG00013	HL
PDT00160	N-AREA RESIDUE	2"	PLUG VALVE	TRAILER LOADING	DWG00013	HL
PDT00162	N-AREA RESIDUE	2"	FLANGED FITTINGS	TRAILER LOADING	DWG00013	HL
PDT00164	N-AREA RESIDUE	2"	FLANGED FITTINGS	TRAILER LOADING	DWG00013	HL
PDT00165	N-AREA RESIDUE	2"	BALL VALVE	TRAILER LOADING	DWG00013	HL
PDT00166	N-AREA RESIDUE	2"	FLANGED FITTINGS	TRAILER LOADING	DWG00013	HL
PDT00170	N-AREA RESIDUE	2"	PLUG VALVE	BOT MCT RESIDUE TK	DWG00011	HL
PDT00172	N-AREA RESIDUE	2"	FLANGED FITTINGS	TRAILER LOADING	DWG00013	HL
PDT00175	N-AREA RESIDUE	2"	PLUG VALVE	MCT RESIDUE TRANS PU	DWG00011	HL
PDT00180	N-AREA RESIDUE	1"	PLUG VALVE	MCT RESIDUE TRANS PU	DWG00011	HL
PDT00185	N-AREA RESIDUE	1 1/2" X 3"	PUMP	MCT RESIDUE TRANS PU	DWG00011	HL

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Tag	Unit	Eq Size	Component	LOCATION	Iso	Class
PDT00190	N-AREA RESIDUE	3/4"	PLUG VALVE	ABOVE RES TRANS PUMP	DWG00011	HL
PDT00195	N-AREA RESIDUE	3"	PLUG VALVE	SOUTH SIDE RES TANK	DWG00011	HL
PDT00225	N-AREA RESIDUE	2"	FLANGED FITTINGS	STOR TK RECIRC LINE	DWG00011	HL
PDT00230	N-AREA RESIDUE	2"	FLANGED FITTINGS	STOR TK RECIRC LINE	DWG00011	HL
PDT00235	N-AREA RESIDUE	1/2"	BALL VALVE	PUMP DISCHARGE	DWG00011	HL
PDT00240	N-AREA RESIDUE	1/2"	BALL VALVE	PUMP DISCHARGE	DWG00011	HL
PDT00250	N-AREA RESIDUE	1/2"	BALL VALVE	PUMP DISCHARGE	DWG00011	HL
PDT00255	N-AREA RESIDUE	1/2"	BALL VALVE	PUMP DISCHARGE	DWG00011	HL
PDT00260	N-AREA RESIDUE	2"	FLANGED FITTINGS	TOP MCT RESIDUE TANK	DWG00011	HL
PDT00265	N-AREA RESIDUE	1 1/2"	FLANGED FITTINGS	MCT RESIDUE TRANS PU	DWG00011	HL
PDT00270	N-AREA RESIDUE	2"	PLUG VALVE	MCT RESIDUE DECANT T	DWG00011	HL
PDT00272	N-AREA RESIDUE	2"	FLANGED FITTINGS	MCT RESIDUE DECANT T	DWG00011	HL
PDT00300	N-AREA RESIDUE	1"	BALL VALVE	TOP MCT RESIDUE TANK	DWG00011	G/V
PDT00302	N-AREA RESIDUE	1/2"	BALL VALVE	TOP MCT RESIDUE TANK	DWG00011	G/V
PDT00305	N-AREA RESIDUE	4"	PLUG VALVE	TOP MCT RESIDUE TANK	DWG00011	G/V
PDT00310	N-AREA RESIDUE	4"	FLANGED FITTINGS	TOP MCT RESIDUE TANK	DWG00011	HL
PDT00315	N-AREA RESIDUE	4"	FLANGED FITTINGS	TOP MCT RESIDUE TANK	DWG00011	G/V
PDT00320	N-AREA RESIDUE	4"	FLANGED FITTINGS	TOP MCT RESIDUE TANK	DWG00011	G/V
PDT00322	N-AREA RESIDUE	4"	RUPTURE DISC	TOP MCT RESIDUE TANK	DWG00011	G/V
PDT00325	N-AREA RESIDUE	4"	FLANGED FITTINGS	TOP MCT RESIDUE TANK	DWG00011	G/V
PDT00330	N-AREA RESIDUE	4"	FLANGED FITTINGS	TOP MCT RESIDUE TANK	DWG00011	G/V
PDT00335	N-AREA RESIDUE	4"	FLANGED FITTINGS	TOP MCT RESIDUE TANK	DWG00011	G/V
PDT00340	N-AREA RESIDUE	4"	FLANGED FITTINGS	TOP MCT RESIDUE TANK	DWG00011	G/V
PDT00345	N-AREA RESIDUE	4"	FLANGED FITTINGS	VENT LINE TO N-20	DWG00014	G/V
PDT00350	N-AREA RESIDUE	4"	FLANGED FITTINGS	VENT LINE TO N-20	DWG00014	G/V
PDT00355	N-AREA RESIDUE	4"	FLANGED FITTINGS	VENT LINE TO N-20	DWG00014	G/V
PDT00360	N-AREA RESIDUE	4"	FLANGED FITTINGS	VENT LINE TO N-20	DWG00014	G/V
PDT00365	N-AREA RESIDUE	4"	FLANGED FITTINGS	VENT LINE TO N-20	DWG00014	G/V
PDT00370	N-AREA RESIDUE	4"	FLANGED FITTINGS	VENT LINE TO N-20	DWG00014	G/V
PDT00375	N-AREA RESIDUE	4"	FLANGED FITTINGS	VENT LINE TO N-20	DWG00014	G/V
PDT00380	N-AREA RESIDUE	4"	FLANGED FITTINGS	VENT LINE TO N-20	DWG00014	G/V
PDT00385	N-AREA RESIDUE	4"	FLANGED FITTINGS	VENT LINE TO N-20	DWG00014	G/V
PDT00390	N-AREA RESIDUE	4"	FLANGED FITTINGS	VENT LINE TO N-20	DWG00014	G/V
PDT00395	N-AREA RESIDUE	3"	FLANGED FITTINGS	VENT LINE TO N-20	DWG00014	G/V
PDT00400	N-AREA RESIDUE	3"	FLANGED FITTINGS	VENT LINE TO N-20	DWG00014	G/V
PDT00405	N-AREA RESIDUE	3"	FLANGED FITTINGS	VENT LINE TO N-20	DWG00014	G/V
PDT00410	N-AREA RESIDUE	3"	FLANGED FITTINGS	VENT LINE TO N-20	DWG00014	G/V
PDT00415	N-AREA RESIDUE	3"	FLANGED FITTINGS	VENT LINE TO N-20	DWG00014	G/V
PDT00420	N-AREA RESIDUE	3"	FLANGED FITTINGS	VENT LINE TO N-20	DWG00014	G/V
PDT00425	N-AREA RESIDUE	3"	FLANGED FITTINGS	VENT LINE TO N-20	DWG00014	G/V
PDT00440	N-AREA RESIDUE	2"	FLANGED FITTINGS	ABOVE MCT RES PUMP	DWG00011	HL
PDT00445	N-AREA RESIDUE	2"	FLANGED FITTINGS	ABOVE MCT RES PUMP	DWG00011	HL
PDT00450	N-AREA RESIDUE	2"	FLANGED FITTINGS	ABOVE MCT RES PUMP	DWG00011	HL
PDT00452	N-AREA RESIDUE	1"	FLANGED FITTINGS	VENT LINE TO N-20	DWG00014	G/V
PDT00455	N-AREA RESIDUE	1"	PLUG VALVE	VENT LINE TO N-20	DWG00014	G/V
PDT00456	N-AREA RESIDUE	1"	FLANGED FITTINGS	VENT LINE TO N-20	DWG00014	G/V
PDT00460	N-AREA RESIDUE	1"	BALL VALVE	VENT LINE TO N-20	DWG00014	G/V
PDT00465	N-AREA RESIDUE	3"	PLUG VALVE	VENT LINE TO N-20	DWG00014	G/V
PDT00470	N-AREA RESIDUE	3"	PLUG VALVE	VENT LINE TO N-20	DWG00014	G/V

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Tag	Unit	Eq Size	Component	LOCATION	Iso	Class
PDT00475	N-AREA RESIDUE	1/2"	BALL VALVE	NORTH SIDE REBOILER	DWG00012	HL
PDT00480	N-AREA RESIDUE	1/2"	BALL VALVE	NORTH SIDE REBOILER	DWG00012	HL
PDT00485	N-AREA RESIDUE	3"	FLANGED FITTINGS	EAST OF MCT STOR TK	DWG00011	G/V
PDT00490	N-AREA RESIDUE	3"	FLANGED FITTINGS	VENT LINE TO N-20	DWG00014	G/V
PDT00495	N-AREA RESIDUE	3"	FLANGED FITTINGS	VENT LINE TO N-20	DWG00014	G/V
PDT00500	N-AREA RESIDUE	3"	FLANGED FITTINGS	VENT LINE TO N-20	DWG00014	G/V
PDT00505	N-AREA RESIDUE	3"	FLANGED FITTINGS	VENT LINE TO N-20	DWG00014	G/V
PDT00510	N-AREA RESIDUE	3"	FLANGED FITTINGS	VENT LINE TO N-20	DWG00014	G/V
PDT00515	N-AREA RESIDUE	3"	FLANGED FITTINGS	VENT LINE TO N-20	DWG00014	G/V
PDT00520	N-AREA RESIDUE	3"	FLANGED FITTINGS	VENT LINE TO N-20	DWG00014	G/V
PDT00525	N-AREA RESIDUE	3"	FLANGED FITTINGS	VENT LINE TO N-20	DWG00014	G/V
PDT00530	N-AREA RESIDUE	3"	FLANGED FITTINGS	SOUTH SIDE RES TANK	DWG00011	HL
PDT00535	N-AREA RESIDUE	3"	FLANGED FITTINGS	SOUTH SIDE RES TANK	DWG00011	HL
PDT00540	N-AREA RESIDUE	3"	FLANGED FITTINGS	TOP MCT RESIDUE TANK	DWG00011	G/V
PDT00545	N-AREA RESIDUE	3"	FLANGED FITTINGS	TOP MCT RESIDUE TANK	DWG00011	G/V
PDT00550	N-AREA RESIDUE	3"	FLANGED FITTINGS	TOP MCT RESIDUE TANK	DWG00011	G/V
PDT00555	N-AREA RESIDUE	3"	FLANGED FITTINGS	TOP MCT RESIDUE TANK	DWG00011	G/V
PDT00560	N-AREA RESIDUE	3"	FLANGED FITTINGS	TOP MCT RESIDUE TANK	DWG00011	G/V
PDT00565	N-AREA RESIDUE	3"	FLANGED FITTINGS	VENT LINE TO N-20	DWG00014	G/V
PDT00570	N-AREA RESIDUE	3"	FLANGED FITTINGS	VENT LINE TO N-20	DWG00014	G/V
PDT00575	N-AREA RESIDUE	3"	FLANGED FITTINGS	VENT LINE TO N-20	DWG00014	G/V
PDT00580	N-AREA RESIDUE	3"	FLANGED FITTINGS	VENT LINE TO N-20	DWG00014	G/V
PDT00585	N-AREA RESIDUE	3"	FLANGED FITTINGS	VENT LINE TO N-20	DWG00014	G/V
PDT00590	N-AREA RESIDUE	3"	FLANGED FITTINGS	VENT LINE TO N-20	DWG00014	G/V
PDT00595	N-AREA RESIDUE	3"	FLANGED FITTINGS	VENT LINE TO N-20	DWG00014	G/V
PDT00600	N-AREA RESIDUE	3"	FLANGED FITTINGS	VENT LINE TO N-20	DWG00014	G/V
PDT00610	N-AREA RESIDUE	2"	FLANGED FITTINGS	TOP OF MCT RESIDUE T	DWG00011	HL
PDT00612	N-AREA RESIDUE	3"	FLANGED FITTINGS	MCT RESIDUE DECANT T	DWG00011	HL
PDT00614	N-AREA RESIDUE	10"	FLANGED FITTINGS	MCT RESIDUE DECANT T	DWG00011	HL
PDT00615	N-AREA RESIDUE	1"	FLANGED FITTINGS	TOP OF MCT RESIDUE T	DWG00011	G/V
PDT00620	N-AREA RESIDUE	1"	FLANGED FITTINGS	TOP OF MCT RESIDUE T	DWG00011	G/V
PDT00625	N-AREA RESIDUE	2"	PLUG VALVE	MCT RESIDUE DECANT T	DWG00011	HL
PDT00630	N-AREA RESIDUE	2"	PLUG VALVE	MCT RESIDUE TRANS PU	DWG00011	HL
PDT00632	N-AREA RESIDUE	2"	FLANGED FITTINGS	MCT RESIDUE TRANS PU	DWG00011	HL
PDT00634	N-AREA RESIDUE	2"	FLANGED FITTINGS	MCT RESIDUE TRANS PU	DWG00011	HL
PDT00635	N-AREA RESIDUE	3/4"	PLUG VALVE	ABOVE RES TRANS PUMP	DWG00011	HL
PDT00640	N-AREA RESIDUE	3/4"	PLUG VALVE	ABOVE RES TRANS PUMP	DWG00011	HL
PDT00642	N-AREA RESIDUE	3"	FLANGED FITTINGS	MCT RESIDUE TRANS PU	DWG00011	HL
PDT00644	N-AREA RESIDUE	2"	FLANGED FITTINGS	MCT RESIDUE TRANS PU	DWG00011	HL
PDT00645	N-AREA RESIDUE	2"	PLUG VALVE	MCT RESIDUE TRANS PU	DWG00011	HL
PDT00650	N-AREA RESIDUE	3"	PLUG VALVE	MCT RESIDUE DECANT T	DWG00011	HL
PDT00652	N-AREA RESIDUE	2"	FLANGED FITTINGS	MCT RESIDUE TRANS PU	DWG00011	HL
PDT00655	N-AREA RESIDUE	2"	PLUG VALVE	MCT RESIDUE DECANT T	DWG00011	HL
PCH00005	RESIDUE BURNER	2"	BALL VALVE	T-20 NAPL STORAGE	DWG00015	LL
PCH00008	RESIDUE BURNER	1"	FLANGED FITTINGS	T-20 NAPL STORAGE	DWG00015	LL
PCH00009	RESIDUE BURNER	1"	FLANGED FITTINGS	T-20 NAPL STORAGE	DWG00015	LL
PCH00010	RESIDUE BURNER	1"	PLUG VALVE	T-20 NAPL STORAGE	DWG00015	LL
PCH00012	RESIDUE BURNER	1"	FLANGED FITTINGS	T-20 NAPL STORAGE	DWG00015	LL
PCH00015	RESIDUE BURNER	1"	PLUG VALVE	T-20 NAPL STORAGE	DWG00015	LL

Tag	Unit	Eq Size	Component	LOCATION	Iso	Class
POH00020	RESIDUE BURNER	1"	PLUG VALVE	T-20 NAPL STORAGE	DWG00015	LL
POH00025	RESIDUE BURNER	1"	PLUG VALVE	T-20 NAPL STORAGE	DWG00015	LL
POH00030	RESIDUE BURNER	1"	PLUG VALVE	T-20 NAPL STORAGE	DWG00015	LL
POH00032	RESIDUE BURNER	1"	PLUG VALVE	T-20 NAPL STORAGE	DWG00015	LL
POH00035	RESIDUE BURNER	1"	PLUG VALVE	T-20 NAPL STORAGE	DWG00015	LL
POH00040	RESIDUE BURNER	3"	CONTROL VALVE	T-20 NAPL STORAGE	DWG00015	LL
POH00045	RESIDUE BURNER	1"	VALVE	T-20 NAPL STORAGE	DWG00015	LL
POH00050	RESIDUE BURNER	1"	PLUG VALVE	T-20 NAPL STORAGE	DWG00015	LL
POH00055	RESIDUE BURNER	1"	PLUG VALVE	T-20 NAPL STORAGE	DWG00015	LL
POH00060	RESIDUE BURNER	3"	PLUG VALVE	T-20 NAPL STORAGE	DWG00015	LL
POH00065	RESIDUE BURNER	3"	CHECK VALVE	T-20 NAPL STORAGE	DWG00015	LL
POH00070	RESIDUE BURNER	1/2"	PLUG VALVE	T-20 NAPL STORAGE	DWG00015	LL
POH00075	RESIDUE BURNER	3"	PLUG VALVE	T-20 NAPL STORAGE	DWG00015	LL
PCH00080	RESIDUE BURNER	1"	PLUG VALVE	T-20 NAPL STORAGE	DWG00015	LL
POH00085	RESIDUE BURNER	1 1/2 X 3 X 10	PUMP	T-20 NAPL STORAGE	DWG00015	LL
PCH00090	RESIDUE BURNER	1"	FLANGED FITTINGS	T-20 NAPL STORAGE	DWG00015	LL
POH00094	RESIDUE BURNER	1"	FLANGED FITTINGS	T-20 NAPL STORAGE	DWG00015	LL
PCH00095	RESIDUE BURNER	1"	PLUG VALVE	T-20 NAPL STORAGE	DWG00015	LL
POH00096	RESIDUE BURNER	1"	FLANGED FITTINGS	T-20 NAPL STORAGE	DWG00015	LL
POH00098	RESIDUE BURNER	1"	FLANGED FITTINGS	T-20 NAPL STORAGE	DWG00015	LL
POH00100	RESIDUE BURNER	2"	PLUG VALVE	T-20 NAPL STORAGE	DWG00015	LL
POH00105	RESIDUE BURNER	2"	VALVE	T-20 NAPL STORAGE	DWG00015	LL
POH00110	RESIDUE BURNER	2"	PLUG VALVE	T-20 NAPL STORAGE	DWG00015	LL
POH00112	RESIDUE BURNER	2"	PLUG VALVE	T-20 NAPL STORAGE	DWG00015	LL
POH00115	RESIDUE BURNER	1"	PLUG VALVE	T-20 NAPL STORAGE	DWG00015	LL
POH00120	RESIDUE BURNER	1"	PRESSURE RELIEF VALVE	T-20 NAPL STORAGE	DWG00015	LL
POH00125	RESIDUE BURNER	1"	BLOCK&BLEED VALVE	T-20 NAPL STORAGE	DWG00015	LL
POH00130	RESIDUE BURNER	1"	BLOCK&BLEED VALVE	T-20 NAPL STORAGE	DWG00015	LL
PCH00135	RESIDUE BURNER	2"	PLUG VALVE	T-20 NAPL STORAGE	DWG00015	LL
POH00140	RESIDUE BURNER	2"	PLUG VALVE	T-20 NAPL STORAGE	DWG00017	LL
POH00142	RESIDUE BURNER	6"	FLANGED FITTINGS	TOP OF T-20	DWG00017	LL
POH00144	RESIDUE BURNER	2"	FLANGED FITTINGS	TOP OF T-20	DWG00017	LL
POH00145	RESIDUE BURNER	2"	CONTROL VALVE	T-20 NAPL STORAGE	DWG00015	LL
POH00150	RESIDUE BURNER	3"	CONTROL VALVE	T-20 NAPL STORAGE	DWG00016	LL
POH00155	RESIDUE BURNER	3/4"	SAMPLE VALVE	T-20 NAPL STORAGE	DWG00016	LL
POH00160	RESIDUE BURNER	3"	VALVE	T-20 NAPL STORAGE	DWG00015	LL
POH00165	RESIDUE BURNER	2"	PLUG VALVE	T-20 NAPL STORAGE	DWG00017	LL
POH00167	RESIDUE BURNER	6"	FLANGED FITTINGS	TOP OF T-20	DWG00017	LL
PCH00169	RESIDUE BURNER	2"	FLANGED FITTINGS	TOP OF T-20	DWG00017	LL
PCH00170	RESIDUE BURNER	2"	PLUG VALVE	T-20 NAPL STORAGE	DWG00019	LL
PCH00172	RESIDUE BURNER	3"	FLANGED FITTINGS	TOP OF T-20	DWG00017	G/V
PCH00175	RESIDUE BURNER	1/2"	PLUG VALVE	T-20 NAPL STORAGE	DWG00019	LL
POH00180	RESIDUE BURNER	2"	PLUG VALVE	T-20 NAPL STORAGE	DWG00019	LL
PCH00182	RESIDUE BURNER	2"	FLANGED FITTINGS	T-20 NAPL STORAGE	DWG00019	LL
POH00185	RESIDUE BURNER	2"	PLUG VALVE	T-20 NAPL STORAGE	DWG00019	LL
PCH00190	RESIDUE BURNER	1/2"	PLUG VALVE	T-20 NAPL STORAGE	DWG00019	LL
PCH00196	RESIDUE BURNER	2"	FLANGED FITTINGS	T-20 NAPL STORAGE	DWG00019	LL
PCH00198	RESIDUE BURNER	2"	FLANGED FITTINGS	T-20 NAPL STORAGE	DWG00019	LL
PCH00200	RESIDUE BURNER	1"	BALL VALVE	T-20 NAPL STORAGE	DWG00019	LL

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POH00202	RESIDUE BURNER	2"	FLANGED FITTINGS	T-20 NAPL STORAGE	DWG00019	LL
POH00204	RESIDUE BURNER	2"	FLANGED FITTINGS	T-20 NAPL STORAGE	DWG00019	LL
POH00205	RESIDUE BURNER	3/4"	SAMPLE VALVE	T-20 NAPL STORAGE	DWG00019	LL
POH00206	RESIDUE BURNER	2"	FLANGED FITTINGS	T-20 NAPL STORAGE	DWG00019	LL
POH00208	RESIDUE BURNER	2"	FLANGED FITTINGS	T-20 NAPL STORAGE	DWG00019	LL
POH00210	RESIDUE BURNER	2"	PLUG VALVE	T-20 NAPL STORAGE	DWG00019	LL
POH00212	RESIDUE BURNER	2"	FLANGED FITTINGS	T-20 NAPL STORAGE	DWG00019	LL
POH00214	RESIDUE BURNER	2"	FLANGED FITTINGS	T-20 NAPL STORAGE	DWG00019	LL
POH00215	RESIDUE BURNER	2"	PLUG VALVE	T-20 NAPL STORAGE	DWG00019	LL
POH00216	RESIDUE BURNER	2"	FLANGED FITTINGS	T-20 NAPL STORAGE	DWG00019	LL
POH00217	RESIDUE BURNER	2"	FLANGED FITTINGS	T-20 NAPL STORAGE	DWG00019	LL
POH00218	RESIDUE BURNER	2"	FLANGED FITTINGS	T-20 NAPL STORAGE	DWG00019	LL
POH00220	RESIDUE BURNER	2"	PLUG VALVE	T-20 NAPL STORAGE	DWG00019	LL
POH00225	RESIDUE BURNER	1"	PLUG VALVE	T-20 NAPL STORAGE	DWG00019	LL
POH00230	RESIDUE BURNER	1"	PLUG VALVE	T-20 NAPL STORAGE	DWG00019	LL
POH00235	RESIDUE BURNER	2"	PLUG VALVE	T-20 NAPL STORAGE	DWG00019	LL
POH00237	RESIDUE BURNER	2"	FLANGED FITTINGS	T-20 NAPL STORAGE	DWG00019	LL
POH00239	RESIDUE BURNER	2"	FLANGED FITTINGS	T-20 NAPL STORAGE	DWG00019	LL
POH00240	RESIDUE BURNER	2"	PLUG VALVE	T-20 NAPL STORAGE	DWG00019	LL
POH00242	RESIDUE BURNER	2"	FLANGED FITTINGS	T-20 NAPL STORAGE	DWG00019	LL
POH00244	RESIDUE BURNER	2"	FLANGED FITTINGS	T-20 NAPL STORAGE	DWG00019	LL
POH00245	RESIDUE BURNER	2"	PLUG VALVE	T-20 NAPL STORAGE	DWG00019	LL
POH00250	RESIDUE BURNER	2"	PLUG VALVE	T-20 NAPL STORAGE	DWG00016	LL
POH00255	RESIDUE BURNER	1"	PLUG VALVE	T-20 NAPL STORAGE	DWG00016	LL
POH00260	RESIDUE BURNER		NAPL PUMP	T-20 NAPL STORAGE	DWG00016	LL
POH00265	RESIDUE BURNER	1"	PLUG VALVE	T-20 BURNER FEED	DWG00016	LL
POH00270	RESIDUE BURNER	1"	PLUG VALVE	T-20 BURNER FEED	DWG00016	LL
POH00275	RESIDUE BURNER	1"	PLUG VALVE	T-20 BURNER FEED	DWG00016	LL
POH00280	RESIDUE BURNER	1-1/2"	PLUG VALVE	T-20 BURNER FEED	DWG00016	LL
POH00285	RESIDUE BURNER	1-1/2"	PLUG VALVE	T-20 BURNER FEED	DWG00016	LL
POH00295	RESIDUE BURNER	1"	PLUG VALVE	T-20 BURNER FEED	DWG00016	LL
POH00300	RESIDUE BURNER	1"	PRESSURE RELIEF VALVE	T-20 BURNER FEED	DWG00016	LL
POH00305	RESIDUE BURNER	1"	PLUG VALVE	T-4,T-6 & T-20 BURN	DWG00028	LL
POH00310	RESIDUE BURNER	1/2"	BALL VALVE	T-4,T-6 & T-20 BURN	DWG00028	LL
POH00315	RESIDUE BURNER	1"	GATE VALVE	T-4,T-6 & T-20 BURN	DWG00028	LL
POH00320	RESIDUE BURNER	1/2"	BALL VALVE	T-4,T-6 & T-20 BURN	DWG00028	LL
POH00325	RESIDUE BURNER	1"	BALL VALVE	T-4,T-6 & T-20 BURN	DWG00028	LL
POH00330	RESIDUE BURNER	1/2"	BALL VALVE	T-4,T-6 & T-20 BURN	DWG00028	LL
POH00335	RESIDUE BURNER	1"	BALL VALVE	T-4,T-6 & T-20 BURN	DWG00028	LL
POH00340	RESIDUE BURNER	1"	BALL VALVE	T-4,T-6 & T-20 BURN	DWG00028	LL
POH00400	RESIDUE BURNER	2"	PLUG VALVE	T-20 NAPL STORAGE	DWG00016	LL
POH00405	RESIDUE BURNER	1"	BALL VALVE	T-20 NAPL STORAGE	DWG00016	LL
POH00408	RESIDUE BURNER	1/2"	BALL VALVE	T-4,T-6 & T-20 BURN	DWG00028	LL
POH00409	RESIDUE BURNER	1/2"	BALL VALVE	T-4,T-6 & T-20 BURN	DWG00028	LL
POH00410	RESIDUE BURNER	1"	PLUG VALVE	T-20 NAPL STORAGE	DWG00016	LL
POH00412	RESIDUE BURNER	1"	PLUG VALVE	T-20 NAPL STORAGE	DWG00016	LL
POH00414	RESIDUE BURNER	1"	PLUG VALVE	T-20 NAPL STORAGE	DWG00016	LL
POH00415	RESIDUE BURNER	1/2"	PLUG VALVE	T-20 NAPL STORAGE	DWG00016	LL
POH00420	RESIDUE BURNER	2"	PLUG VALVE	T-6 STORAGE	DWG00030	LL

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POH00425	RESIDUE BURNER	2"	PLUG VALVE	T-6 STORAGE	DWG00030	LL
POH00430	RESIDUE BURNER	1"	PLUG VALVE	T-6 TRAILER UNLOADI	DWG00029	LL
POH00432	RESIDUE BURNER	1"	PLUG VALVE	T-6 TRAILER UNLOADI	DWG00029	LL
POH00435	RESIDUE BURNER	2"	CHECK VALVE	T-6 TRAILER UNLOADI	DWG00029	LL
POH00440	RESIDUE BURNER	2"	PLUG VALVE	T-6 TRAILER UNLOADI	DWG00029	LL
POH00445	RESIDUE BURNER	1"	PLUG VALVE	T-6 TRAILER UNLOADI	DWG00029	LL
POH00450	RESIDUE BURNER	1"	PLUG VALVE	T-6 TRAILER UNLOADI	DWG00029	LL
POH00455	RESIDUE BURNER	1"X1-1/2"x8	PUMP #6PCBTF	T-6 TRAILER UNLOADI	DWG00029	LL
POH00460	RESIDUE BURNER	2"	PLUG VALVE	T-6 TRAILER UNLOADI	DWG00029	LL
POH00465	RESIDUE BURNER	1"	PLUG VALVE	T-6 TRAILER UNLOADI	DWG00029	LL
POH00470	RESIDUE BURNER	2"	PLUG VALVE	T-6 TRAILER UNLOADI	DWG00023	LL
POH00475	RESIDUE BURNER	3/4"	BALL VALVE	T-6 TRAILER UNLOADI	DWG00029	LL
POH00480	RESIDUE BURNER	3/4"	BALL VALVE	T-6 TRAILER UNLOADI	DWG00029	LL
POH00485	RESIDUE BURNER	1/2"	BALL VALVE	T-6 TRAILER UNLOADI	DWG00029	LL
POH00490	RESIDUE BURNER	1/2"	PLUG VALVE	T-6 TRAILER UNLOADI	DWG00029	LL
POH00495	RESIDUE BURNER	2"	PLUG VALVE	T-6 TRAILER UNLOADI	DWG00029	LL
POH00500	RESIDUE BURNER	2"	BALL VALVE	T-6 TRAILER UNLOADI	DWG00029	LL
POH00505	RESIDUE BURNER	2"	PLUG VALVE	T-6 BURNER FEED	DWG00031	LL
POH00510	RESIDUE BURNER	2"	PLUG VALVE	T-6 BURNER FEED	DWG00031	LL
POH00515	RESIDUE BURNER	3"	PLUG VALVE	T-6 BURNER FEED	DWG00031	LL
POH00520	RESIDUE BURNER	2"	PLUG VALVE	T-6 BURNER FEED	DWG00031	LL
POH00525	RESIDUE BURNER	2"	BALL VALVE	T-6 BURNER FEED	DWG00031	LL
POH00530	RESIDUE BURNER	1"	BALL VALVE	T-6 BURNER FEED	DWG00031	LL
POH00535	RESIDUE BURNER	1"	BALL VALVE	T-6 BURNER FEED	DWG00031	LL
POH00540	RESIDUE BURNER	1"	BALL VALVE	T-6 BURNER FEED	DWG00031	LL
POH00545	RESIDUE BURNER		PCBTF FEED PUMP	T-6 BURNER FEED	DWG00031	LL
POH00550	RESIDUE BURNER	1"	BALL VALVE	T-6 BURNER FEED	DWG00031	LL
POH00555	RESIDUE BURNER	1"	BALL VALVE	T-6 BURNER FEED	DWG00031	LL
POH00560	RESIDUE BURNER	1/2"	BALL VALVE	T-6 BURNER FEED	DWG00031	LL
POH00565	RESIDUE BURNER	1"	BALL VALVE	T-6 BURNER FEED	DWG00031	LL
POH00570	RESIDUE BURNER	1"	BALL VALVE	T-6 BURNER FEED	DWG00031	LL
POH00575	RESIDUE BURNER	1"	BALL VALVE	T-6 BURNER FEED	DWG00031	LL
POH00577	RESIDUE BURNER	1"	CONTROL VALVE	T-6 BURNER FEED	DWG00031	LL
POH00590	RESIDUE BURNER	3"	PLUG VALVE	T-6 BURNER FEED	DWG00031	LL
POH00595	RESIDUE BURNER	1"	PLUG VALVE	T-6 BURNER FEED	DWG00031	LL
POH00600	RESIDUE BURNER	3"	PLUG VALVE	T-1 BURNER FEED	DWG00022	LL
POH00605	RESIDUE BURNER	2"	PLUG VALVE	T-1 BURNER FEED	DWG00022	LL
POH00610	RESIDUE BURNER	2"	BALL VALVE	T-1 BURNER FEED	DWG00022	LL
POH00615	RESIDUE BURNER	1"	BALL VALVE	T-1 BURNER FEED	DWG00022	LL
POH00620	RESIDUE BURNER	2"	PLUG VALVE	T-1 BURNER FEED	DWG00022	LL
POH00625	RESIDUE BURNER	2"	PLUG VALVE	T-1 BURNER FEED	DWG00022	LL
POH00635	RESIDUE BURNER	2"	BALL VALVE	T-1 BURNER FEED	DWG00022	LL
POH00640	RESIDUE BURNER	1"	BALL VALVE	T-1 BURNER FEED	DWG00022	LL
POH00645	RESIDUE BURNER		PUMP	T-1 BURNER FEED	DWG00022	LL
POH00650	RESIDUE BURNER	2"	BALL VALVE	T-1 BURNER FEED	DWG00022	LL
POH00655	RESIDUE BURNER	1"	BALL VALVE	T-1 BURNER FEED	DWG00022	LL
POH00660	RESIDUE BURNER	1"	BALL VALVE	T-1 BURNER FEED	DWG00022	LL
POH00665	RESIDUE BURNER	1"	BALL VALVE	T-1 BURNER FEED	DWG00022	LL
POH00670	RESIDUE BURNER	1"	CONTROL VALVE	T-1 BURNER FEED	DWG00022	LL

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Tag	Unit	Eq Size	Component	LOCATION	Iso	Class
POH00672	RESIDUE BURNER	1"	BALL VALVE	T-1 BURNER FEED	DWG00022	LL
POH00674	RESIDUE BURNER	1"	BALL VALVE	T-1 BURNER FEED	DWG00022	LL
POH00676	RESIDUE BURNER	1"	BALL VALVE	T-1 BURNER FEED	DWG00022	LL
POH00678	RESIDUE BURNER	1"	FLANGED FITTINGS	T-1 FEED TO BURNER	DWG00022	LL
POH00680	RESIDUE BURNER	1"	PRESSURE RELIEF VALVE	T-1 BURNER FEED	DWG00022	LL
POH00682	RESIDUE BURNER	1"	FLANGED FITTINGS	T-1 FEED TO BURNER	DWG00022	LL
POH00690	RESIDUE BURNER	1/2"	BALL VALVE	T-1 BURNER FEED	DWG00022	LL
POH00695	RESIDUE BURNER	2"	BALL VALVE	T-1 BURNER FEED	DWG00022	LL
POH00700	RESIDUE BURNER	2"	BALL VALVE	DIRECT FEED FROM T/	DWG00023	LL
POH00705	RESIDUE BURNER	1/2"	BALL VALVE	DIRECT FEED FROM T/	DWG00023	LL
POH00710	RESIDUE BURNER	1"	BALL VALVE	DIRECT FEED FROM T/	DWG00023	LL
POH00715	RESIDUE BURNER	1/2"	BALL VALVE	DIRECT FEED FROM T/	DWG00023	LL
POH00720	RESIDUE BURNER	1/2"	BALL VALVE	DIRECT FEED FROM T/	DWG00023	LL
POH00725	RESIDUE BURNER	2"	BALL VALVE	DIRECT FEED FROM T/	DWG00023	LL
POH00730	RESIDUE BURNER	1"	BALL VALVE	DIRECT FEED FROM T/	DWG00023	LL
POH00735	RESIDUE BURNER	3"	PLUG VALVE	T-1 STORAGE	DWG00022	LL
POH00740	RESIDUE BURNER	1"	PLUG VALVE	T-1 STORAGE	DWG00022	LL
POH00745	RESIDUE BURNER	1/2"	PLUG VALVE	T-1 STORAGE	DWG00022	LL
POH00746	RESIDUE BURNER	1/2"	FLANGED FITTINGS	T-1 STORAGE	DWG00022	LL
POH00748	RESIDUE BURNER	1/2"	FLANGED FITTINGS	T-1 STORAGE	DWG00022	LL
POH00750	RESIDUE BURNER	2"	PLUG VALVE	T-1 TRAILER UNLOADI	DWG00020	LL
POH00755	RESIDUE BURNER		BOC PUMP	T-1 TRAILER UNLOADI	DWG00020	LL
POH00760	RESIDUE BURNER	1/2"	BALL VALVE	T-1 TRAILER UNLOADI	DWG00020	LL
POH00765	RESIDUE BURNER	1/2"	BALL VALVE	T-1 TRAILER UNLOADI	DWG00020	LL
POH00770	RESIDUE BURNER	1"	PLUG VALVE	T-1 TRAILER UNLOADI	DWG00020	LL
POH00775	RESIDUE BURNER	1"	PLUG VALVE	T-1 TRAILER UNLOADI	DWG00020	LL
POH00780	RESIDUE BURNER	2"	PLUG VALVE	T-1 TRAILER UNLOADI	DWG00020	LL
PCH00782	RESIDUE BURNER	2"	CHECK VALVE	T-1 TRAILER UNLOADI	DWG00020	LL
PCH00785	RESIDUE BURNER	1"	PLUG VALVE	T-1 TRAILER UNLOADI	DWG00020	LL
POH00790	RESIDUE BURNER	1 1/2"	PLUG VALVE	T-1 TRAILER UNLOADI	DWG00020	LL
PCH00795	RESIDUE BURNER	2"	PLUG VALVE	T-1 TRAILER UNLOADI	DWG00020	LL
POH00800	RESIDUE BURNER	3/4"	BALL VALVE	T-1 TRAILER UNLOADI	DWG00020	LL
POH00805	RESIDUE BURNER	2"	BALL VALVE	T-1 TRAILER UNLOADI	DWG00020	LL
PCH00808	RESIDUE BURNER	2"	PLUG VALVE	T-1 TRAILER UNLOADI	DWG00020	LL
PCH00810	RESIDUE BURNER	3/4"	BALL VALVE	T-1 TRAILER UNLOADI	DWG00020	LL
PCH00815	RESIDUE BURNER	2"	BALL VALVE	T-1 TRAILER UNLOADI	DWG00020	LL
PCH00820	RESIDUE BURNER	1/2"	BALL VALVE	T-1 TRAILER UNLOADI	DWG00020	LL
PCH00825	RESIDUE BURNER	1/2"	BALL VALVE	T-1 TRAILER UNLOADI	DWG00020	LL
POH00830	RESIDUE BURNER	1"	BALL VALVE	T-1 TRAILER UNLOADI	DWG00020	LL
PCH00835	RESIDUE BURNER	3"	PLUG VALVE	T-4 BURNER FEED	DWG00027	LL
POH00840	RESIDUE BURNER	1"	PLUG VALVE	T-4 BURNER FEED	DWG00027	LL
POH00845	RESIDUE BURNER	1/2"	PLUG VALVE	T-4 BURNER FEED	DWG00027	LL
POH00850	RESIDUE BURNER	3"	PLUG VALVE	T-4 BURNER FEED	DWG00027	LL
PCH00855	RESIDUE BURNER	2"	PLUG VALVE	T-4 BURNER FEED	DWG00027	LL
PCH00860	RESIDUE BURNER	2"	BALL VALVE	T-4 BURNER FEED	DWG00027	LL
POH00870	RESIDUE BURNER	1"	BALL VALVE	T-4 BURNER FEED	DWG00027	LL
PCH00875	RESIDUE BURNER	1"	BALL VALVE	T-4 BURNER FEED	DWG00027	LL
PCH00880	RESIDUE BURNER		HEATED STORAGE FEED PUMP	T-4 BURNER FEED	DWG00027	LL
POH00885	RESIDUE BURNER	1/2"	BALL VALVE	T-4 BURNER FEED	DWG00027	LL